

Patent Claims

1. A composite part, especially a crossmember between A-pillars of a motor vehicle, having an open metal section (2) and a duct (3) which is arranged therein, is formed at least partially from plastic and extends along the metal section (2), wherein, in order to form a wall and/or mechanically stabilize the duct (3), an insertion part (4, 22) which is fabricated at least partially from plastic is attached to the wall of the metal section (2) in such a way that a securing contour (10) which is shaped from said metal section (2), on an opening (11) in the wall of the metal section (2), undercuts the plastic of the insertion part (4, 22) which is pressed therein.

2. The composite part as claimed in claim 1, characterized in that the securing contour (10) is embodied as a punched-collar-like elevated portion (8) of the metal section (2).

3. The composite part as claimed in claim 1 or 2, characterized in that the metal section (2) is embodied as a hat section.

4. The composite part as claimed in one of claims 1 to 3, characterized by a further plastic part (18) for forming at least part of the wall of the duct (3).

5. The composite part as claimed in one of claims 1 to 4, characterized in that the insertion part (4, 22) has a reinforcing rib structure (14).

6. The composite part as claimed in one of claims 1 to 5, characterized in that the duct (3) only partially fills the metal section (2).

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7. The composite part as claimed in claim 6, characterized in that a plurality of ducts (3) are arranged inside the metal section (2).

5 8. The composite part as claimed in claim 6 or 7, characterized in that a cable duct (24) is arranged inside the metal section (2).